TechniSat

Quick start manual

TechniStar S2 International Edition

**Digital HD Receiver
with CONAX card reader,
an interface for recording from CI/CI+ modules
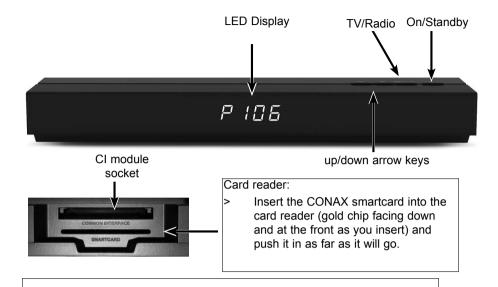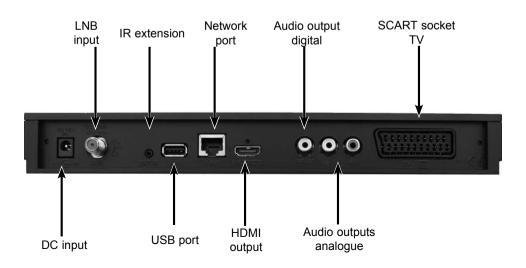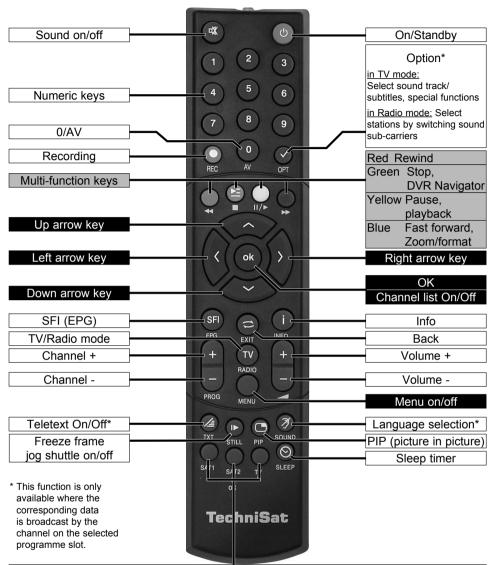plus DVR recording function via the USB interface.**

DiSEqC 1.2

▷◁ DOLBY
DIGITAL

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

3.0 ▶ 3.1

1 Illustrations

LED Display   TV/Radio   On/Standby

P 106

CI module socket   up/down arrow keys

Card reader:

> Insert the CONAX smartcard into the card reader (gold chip facing down and at the front as you insert) and push it in as far as it will go.

Inserting the CI / CI+ module:

> Consult the CI/CI+ module and card manufacturer's instructions.

> Insert the smartcard you want into the relevant CI module.

> Now carefully insert the CI module into the slot.

LNB input   IR extension   Network port   Audio output digital   SCART socket TV

DC input   USB port   HDMI output   Audio outputs analogue

2

Sound on/off	On/Standby
	Option*
	in TV mode: Select sound track/ subtitles, special functions
Numeric keys	in Radio mode: Select stations by switching sound sub-carriers
0/AV	
Recording	Red Rewind
	Green Stop, DVR Navigator
Multi-function keys	Yellow Pause, playback
Up arrow key	Blue Fast forward, Zoom/format
Left arrow key	Right arrow key
Down arrow key	OK Channel list On/Off
SFI (EPG)	Info
TV/Radio mode	Back
Channel +	Volume +
Channel -	Volume -
	Menu on/off
Teletext On/Off*	Language selection*
Freeze frame jog shuttle on/off	PIP (picture in picture)
	Sleep timer

* This function is only available where the corresponding data is broadcast by the channel on the selected programme slot.

TechniSat

Remote control option:
by switching on the remote control option, two receivers and one TechniSat TV with the same coding can be operated using this remote control.
> To switch over the remote control option, press the button you want (**SAT1**, **SAT2** or **TV**) and **OK** at the same time.
Note:
to use **this** receiver, the remote control option selected here for the remote control and the remote control code must match.

2 Please read this first

Before connecting and using the device, first check that everything has been supplied and familiarise yourself with the safety instructions.

You should have received:

> 1 Digital receiver, 1 Power supply, 1 Remote control, 1 Quick start manual, 2 Batteries (1.5V micro-cell), 1 HDMI cable.

2.1 Safety advice

For your own protection you should read the safety precautions carefully before using your new receiver.

The manufacturer accepts no liability for damage caused by inappropriate handling, or by non-compliance with the safety precautions.

Function-related discharge current may occur with electrical equipment. This is acceptable and poses no risk, even if it is experienced as a slight tingling.
To prevent such discharge current, mains operated devices (receivers, TVs etc) must always be installed or connected with the power switched off, i.e. all devices must be disconnected from the mains.

- Only operate the receiver in a temperate climate.

- To ensure adequate ventilation, place the receiver on a flat, horizontal surface and do not place any objects on top of it. There are ventilation slots here to allow heat to be dissipated from the interior of the unit.

- Do not place any burning objects, such as lit candles, on top of the receiver.

- Do not expose the receiver to water droplets or water spray, and do not place any objects filled with liquid, such as vases, on top of it. If water gets into the unit, immediately disconnect the mains plug and inform the service department.

- Do not operate any sources of heat near the TV which may also heat it up.

- Do not obstruct the ventilation slots.
- Do not open the receiver housing under any circumstances! You risk getting an electric shock. Any necessary repairs to the receiver should only be carried out by qualified service personnel.

In the following circumstances you should disconnect the device from the mains power and consult an expert:

> the power cable or mains plug is damaged

> the device has been exposed to moisture or liquid has got into it

> there are significant malfunctions

> there is severe external damage.

2.2 Periods of non-use

During a storm or lengthy period of non-use (e.g. holiday), the receiver should be disconnected from the mains and the antenna cable removed.
Before you disconnect the receiver from the mains, you should first switch it to standby mode and wait until the time appears in the display or the red LED light is displayed.

2.3 Important notes on operation

Operation of the digital receiver is simplified through the use of so-called "On Screen Displays" (OSD). This also means that the number of keys on the remote control unit is reduced.

All functions are displayed on screen, and can be controlled by means of a few control buttons.

Functions that are logically related are combined into a "MENU". The selected function will be highlighted.

The red, yellow, blue and green function keys are indicated by coloured bars at the bottom of the screen. In the various menus, these coloured bars represent different functions, which can be implemented by pressing the appropriately coloured keys (multi-function keys) on the remote control. The function keys are only active when a brief description is displayed in the appropriate field.
The button identifications and terms that appear in the OSD menu are shown in **bold** type in this operating manual.
Help: where available, press the **blue** function key in the menus to display help text; press again to close the help window.

2.4 Disposal advice

The packaging material used for your receiver consists entirely of recyclable materials. Please sort the components appropriately, and dispose of them in line with your local waste disposal regulations.

At the end of its product life cycle, this receiver may not be disposed of with your regular household waste. It must be taken to a recycling collection point for electrical and electronic equipment.

This is indicated by the ⊠ symbol on the product, the operating manual or the packaging.

The materials used can be re-used in accordance with their labelling.
By ensuring that valuable raw materials in old equipment are re-used, you can make a valuable contribution towards protecting our environment.

Please contact your local authority for the location of the nearest recycling point.

Please ensure that spent batteries from the remote control and electronic waste items are not sent to your regular household refuse site, but are correctly disposed of (either in special bins for problem waste, or at collection points at specialist dealers).

2.5 Important information on data security

Before handing your receiver over to your supplier for maintenance purposes, we recommend that you remove all storage media or data carriers.

Restoring data is not part of maintenance or repair work. TechniSat accepts no responsibility for the loss of, or damage to, data during repair work.

3 Remote control

3.1 Changing the battery

> Open the cover on the battery compartment at the rear of the remote control by pushing it in the direction of the arrow and then lifting it off.

> Insert the supplied batteries, ensuring that the poles are the right way around (indicator visible in battery compartment).

> Close the battery compartment again.
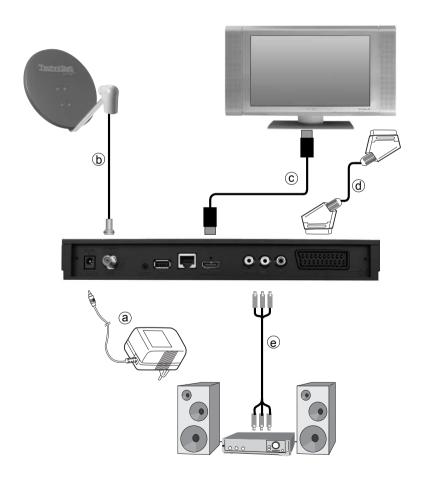
3.2 Remote control code

By switching over the remote control option it is possible to use this remote control to operate a TechniSat television and two TechniSat receivers using the same coding.

> To switch over the remote control option, press the button you want (SAT1, SAT2 or TV) and **OK** at the same time.

4 Connecting the DVB receiver

a.   Mains connection

b.   Connecting the LNB to the **LNB input** on the DVB receiver.

c.   HDMI connection from the DVB receiver to the TV.

d.   Scart connection between the DVB receiver and the TV.

e.   Connecting the audio outputs to a hi-fi system.

The following references (**a b c** etc.) relate to the illustration on the previous page.

4.1 Mains power connection

The digital receiver should only be connected to the power supply once you have finished making all the connections to the various other components. This will prevent damage to the digital receiver or other components.

a   Once you have made all the other connections in accordance with the following sections, use the power supply to connect the receiver to a **230 V/50-60 Hz** mains power outlet.

4.2 External unit

b   Use a suitable co-axial cable to connect the **LNB input** on the digital receiver to your external unit.

4.3 Connecting to a television set

c   Connect the receiver (**HDMI output**) and TV (HDMI input) using an HDMI cable.
If your TV is appropriately equipped it will automatically switch to the HDMI input when the digital receiver is switched on.

Alternatively:

d   Connect the receiver (**TV SCART socket**) and the TV (SCART socket) via a SCART cable.
If your TV is equipped appropriately, it will automatically switch to AV - and hence satellite mode - when the digital receiver is switched on. It may be necessary to adjust the signal type on your TV.

4.4 Hi-fi / surround amplifier

To achieve the best possible sound quality, you can connect your digital receiver to a hi-fi/ surround amplifier.

4.4.1 Digital

e   If your amplifier has an appropriate electrical or optical input, connect the **AUDIO OUT DIGITAL electrical** socket to the electrical or optical input on your amplifier.

Depending on the signal provided by each broadcaster, sampling rates of 32, 44.1 and 48 kHz are available.
In addition, where broadcast, the Dolby Digital signal is also available on this output.

4.4.2 Analogue

e   Use a suitable cable to connect the cinch sockets (**Audio R** and **Audio L**) on the digital receiver to an input on your hi-fi amplifier
(e.g. CD or AUX; note that the phono input is not suitable!).

4.5 USB port

The USB port is used for updating the operating software and transferring data. You can also use the MPEG, MP3 or JPG playback functions to access MPEG, MP3 or JPG files on the USB storage device. You can also insert a WLAN dongle, e.g. the TechniSat USB WLAN Adapter (part no. 0000/3633) into the USB port to connect the receiver to your WLAN network.

4.6 Network port (RJ45)

The USB port is used for updating the operating software and for viewing images / playing music and films.

5 Initial installation

After you have read the safety instructions and attached the device you can then switch it on.

Switching the device on

> When the receiver is on standby, you can switch it on by pressing the **On/Standby** button on the remote control/TV set.

On initial installation of the TV, the **AutoInstall** installation wizard starts automatically. The installation wizard allows you to make the most important settings for your digital receiver in the simplest way possible.

Each step of the installation explains which settings can be made.

> In the installation wizard start window, you can cancel the initial installation by pressing the **red** function button. The receiver then begins to run default pre-programming.

ⓘ   In the ensuing installation steps you can press the **OK** key to accept the preselected settings and move on to the next step of the installation.

ⓘ   By pressing the **Back** key, you can go back to the previous installation step, so you can correct any wrong entries at any time.

The initial installation process shown here serves merely as an example.

The exact process for the initial installation will depend on the settings you select. Therefore please follow all instructions displayed on screen carefully.

Menu language

> When the installation wizard starts, you will first see a window for selecting the **menu language**.

> Use the **arrow keys** to highlight the menu language you want.
> (i) The preferred audio language will be set automatically according to this selection.
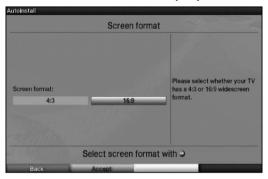> Press the **green** function key **Accept** to confirm the selection and move on to the country selection setting.

Country selection

> Use the **arrow keys** to select the country in which the receiver will be operated. The time zone and channel list sorting will depend on this selection.
> (i) Automatic setting of the local time as well as changing to summer/winter time will take place based on your selection.
> Channels will also be automatically sorted in the installation wizard according to this setting, and likewise following a channel search.
> Press the **green** function key **Accept** to confirm the selection and move on to selecting the screen format.

Screen format
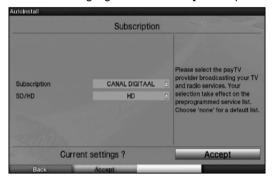
> Use the **right/left arrow keys** to set the screen format for the connected TV.

ⓘ The screen format on the TV will be automatically adjusted according to your selection.

> Press the **green** function key **Accept** to confirm the selection and move on to the next installation step.

ⓘ If either **Belgium**, **Netherlands** or **Luxembourg** has been selected in the country selection, you are then taken to the programme provider selection. Otherwise the installation continues with selecting the antenna signals.

Selecting the programme provider

> Use the **arrow buttons** to highlight the **Subscription** option.
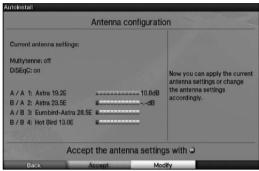
> Press the **OK** button to open a window with the available programme providers.

> Use the **up/down arrow buttons** to select the programme provider you want.

> Press the **OK** button to close the window again.

> Use the **arrow buttons** to highlight the **SD/HD** option.

> Press the **OK** button to open a window where you can select from the **HD** and **SD** entries.

> Use the **up/down arrow buttons** to select the entry you want.

ⓘ By selecting **HD** both HD and SD channels will be scanned and stored in future scans. By selecting **SD** only SD channels will be scanned.

> Press the **OK** button to close the window again.

> To accept the settings, use the **arrow keys** to highlight the **Accept** field.

> Confirming with the **OK** button takes you to the next step of the installation.

Antenna configuration

In this step of the installation you can adapt your digital receiver setup to the configuration of your antenna.

> If you want to adopt the default antenna settings, press the **green** function key **Accept**.
  If you do this, proceed to the **Channel search** step.

> If the configuration of your reception equipment does not conform to the default setting, press the **yellow** function key **Modify**.

> Now create the antenna settings according to your reception equipment then press the **red** function key **Back** to return to the antenna configuration overview.

> Press the **green** function key **Accept** to confirm the settings and move on to the channel search.

Channel search

You can run a channel search to update the channel list.

> Use the **up/down arrow keys** to highlight the **All channels** field if you wish to scan for free-to-air as well as encrypted channels, or **All unencrypted channels** if you only want to search for free-to-air channels.

> By pressing **green** function key **Start**, an automatic channel scan is run.

ⓘ   In doing so, all selected satellites in the antenna configuration are automatically scanned for channels. This procedure may take several minutes. Please note all messages displayed on screen.

ⓘ   If the channel search has been skipped, the default channel list is loaded.

ⓘ   If either **Belgium**, **Netherlands** or **Luxembourg** has been selected in the country selection, a **Fastscan** is run according to the programme provider's specifications instead of the channel search described above.

Software updates

The digital receiver will now check whether a new version of the software is available for the receiver. If a new software version is available, you can carry out an automatic software update.

> If you do not want to wait for a search for new software or a software download, you can skip this step by pressing the **yellow** function key.

ⓘ   If the search for new software or updates is skipped, your device will run another test at the time set in the **Software update** menu and automatically download the software, as long as this setting is left active and the device is in standby mode at that time.

> If there is no new TV software available, you can press the **OK** button to go to the next step in the installation wizard.

> If, on the other hand, new TV software is found, the automatic software update can be started by pressing the **OK** button.
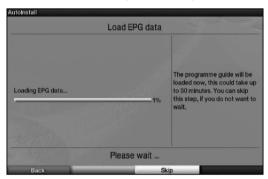
ⓘ   The message **"Updating software. Please wait**.**"** is displayed on the screen
     along with a progress bar showing the progress of the download.
     Two additional progress bars then appear showing the progress of the individual
     updating steps on your device. AutoInstall will then resume.

Loading EPG data

Your digital receiver has an EPG (**E**lectronic **P**rogram **G**uide). You must first get the receiver
to download the EPG data from the satellite to enable electronic programme guide data to
be displayed.
For this reason, the receiver will automatically start downloading the EPG data after the
channel list update or channel search is completed. This process can take up to 30 minutes.

>   If you do not wish to wait for the EPG data to be downloaded, you can skip this
     procedure. To do this, press the **yellow** function key **Skip**.

ⓘ   If you have skipped the EPG update, your device will automatically download the EPG
     data at the time set in the **Programme Guide** menu, as long as automatic EPG
     updating is kept active and the device is also in standby mode at this time.
     You can also run the update manually at any time.

Exiting the installation wizard

>   Confirm the final message in the installation wizard by pressing the **green** function
     key **Complete** to return to normal mode.

6 Basic operation

Dear Customer

The following section starts by covering basic operation as well as recurring operating steps for the TV. This should make it easier to read the instruction manual, since it avoids repeated description of identical steps at each individual stage.

If a function or setting for the device has to be different from the basic operation, the difference in operation is described in detail at the relevant point in the instruction manual.

The so-called "On Screen Display" is used on your TV. This simplifies operation of the television since the buttons on the remote control can take on different functions, which makes it possible to reduce the number of buttons.
In this **O**n **S**creen **D**isplay (**OSD** for short) the selected functions or settings are highlighted. Furthermore, you will see a line at the bottom edge of the screen in which the various buttons on the remote control are shown with their current functions.

In this instruction manual the **terms shown in the OSD** as well as **the buttons to be pressed** are highlighted from the rest of the text by the display format used.

⚠   Warning - indicates an important note which you absolutely should observe in order to avoid problems with the device, loss of data or unwanted operation.

ⓘ   Tip - indicates a note about the function described as well as other functions associated with it and any others to be observed with reference to the respective place in the instruction manual.

6.1 Switching the receiver on/off

>   When the receiver is on standby, you can switch it on by pressing the **On/Standby** button on the remote control/TV set.

>   When operating normally you can switch the receiver to standby mode by pressing the **On/Standby** button.
      When switching the receiver on and off, note section 7.3 as well.

6.2 Calling up the main menu and navigating through the menus / functions

The following example will illustrate how you reach the main menu and call up a submenu. The objective of the example is to call up the **Picture settings** menu.

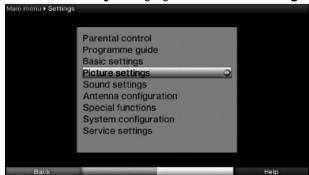>   Press the **Menu** button. The main menu appears on the screen.

16

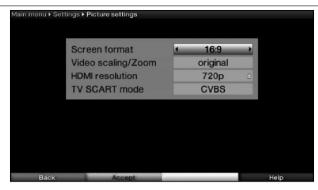> Select the **Settings** menu item by moving the highlight over this item using the **arrow keys**.

> Press the **OK** button to open the **Settings** menu.

> Use the **up/down arrow keys** to highlight the **Picture settings** item.

> The **Picture settings** menu is opened by subsequently pressing the **OK** button.

Main menu ▶ Settings ▶ Picture settings

Screen format	◄ 16:9 ►
Video scaling/Zoom	original
HDMI resolution	720p
TV SCART mode	CVBS

Back   Accept   Help

(i)   You can also highlight the individual menu items in the same way as you highlight an item on a submenu to open it and alter the respective settings.

(i)   The menu items in some menus have to be highlighted by moving sideways. This is done by pressing the **right/left arrow keys**.

(i)   In some menus you can move the highlight upwards/downwards from line to line using the **up/down arrow keys** and sideways by using the **right/left arrow keys**

(i)   You will see the so-called menu path in the uppermost line of the menu screen. This shows you the menu you are currently in and the path you took to reach it. In the example shown this is **Main menu > Settings > Picture settings**. The menu path is also shown throughout the instruction manual and shows you how you can reach the respective menu with the settings described.

(i)   If the **blue** function key (**Help**) is displayed in the bottom line on the screen, a help page can be displayed by pressing this button and hidden by pressing it again.

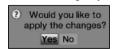## 6.3 Accepting settings / Exiting menus and functions

In some menus and functions the changes made must be accepted manually in order to save them permanently. If this does not happen, the function or the values that existed before the change was made will be reset automatically on exiting the menu.

(i)   If an **Accept** field or the **green** function key with **Accept** is displayed in the bottom line of the screen, you can see that the changes made must be saved manually to be accepted.

>   By highlighting **Accept** using the **right/left arrow keys** and confirming with the **OK** button or by pressing on the **green** function key **Accept**, the changes are saved and you return to the next menu level up.

Alternatively:

>   Press the **Return** button.
    A request appears asking whether the changes you made should be applied.

? Would you like to
apply the changes?
Yes No

>   Use the **right/left arrow keys** to highlight **Yes** or **No** and confirm your selection by pressing the **OK** button.
    Changes will now be saved or discarded according to your selection and you move back to the next menu level up.

Alternatively:

> Press the **Menu** button to leave the menu directly.
  The settings that need to be saved manually will be reset in this case.

ⓘ If the **green** function key with **Accept** is not displayed in the bottom line of the
  screen, the changes are saved automatically on exiting the menu.

6.4 Changing a setting

You can create settings using the **arrow selection method**, via the **selection list**,
by **entering numbers** and by using the **virtual keyboard**. The receiver specifies
the method that can be used to change a highlighted setting. You can see this from the
following displayed symbols:

- ◄► **Arrow selection method** (Section 6.4.1)
  Arrows are shown on the left or right edge of the highlight.

- ♺ **Selection list** (Section 6.4.2)
  The symbol is shown on the right edge of the highlight.

- ???? **Entering numbers** (Section 6.4.3)

- ▦ **Virtual keyboard** (Section 6.4.4)
  The symbol is shown on the right edge of the high light.

6.4.1 Arrow selection method

> If ◄ is shown on the left and ► on the right next to the set value, you can alter this using
  the **left/right arrow keys**.

6.4.2 Selection list

If ♺ is shown on the right next to the set value, the value is changed using the selection list.

Main menu ▶ Settings ▶ Special functions ▶ DVR

Radio recording format	◄ DVR ►
File system	FAT32 ♺
Automatic event bookmarking	on

Back   Accept   Help

> Press the **OK** button to open the selection list.

FAT32
FAT32
TSD

> Highlight the setting you want using the **up/down arrow keys**.

FAT32
FAT32
TSD

ⓘ By pressing the **up/down arrow keys** it is possible to move the highlight upwards/
  downwards from line to line and sideways using the **right/left arrow keys** buttons.

> Confirm by pressing the **OK** button. The selection list is closed again and the selected setting is shown in the menu.

Radio recording format	DVR
File system	TSD
Automatic event bookmarking	on

Back   Accept   Help

6.4.3 Entering numbers

> Enter the new setting you want using the **numeric keypad key** if a question mark ???? or a number value 12109 or 0 is shown inside the highlight.

(i) Note the number of digits used in the entry as there must always be the same number used. This means that if a five-digit value is required, for example "10600", but you only wish to set a four-digit value, for example "9750", then you must enter a "0" at the beginning for every unused location. Therefore, in this example, it would be necessary to enter "09750".

6.4.4 Virtual keyboard

If ▦ is shown on the right next to the set value, the value is amended using the virtual keyboard. You have three different keyboard options when using this data entry method.

> Open the entry by pressing the **OK** button.
  The virtual keyboard now appears, which you can use to enter the name of the network.

Panda, Gorilla & Co.

1 2 3 4 5 6 7 8 9 0 - + ● ←
q w e r t y u i o p [ ]
a s d f g h j k l ; ' #
\ z x c v b n m , . / `
● ᴀʟᴛ ◄ ►

> The remote control keys and/or displayed keyboard offer the following functions.

Arrow keys:	Move the highlight on the keyboard.
OK:	The highlighted character is added behind the character highlighted in blue, or the function highlighted on the keyboard is run.
Back:	Exits the input without making any changes.
●← **red** button:	Delete button, deletes the character highlighted in blue.
↲ **green** button:	Input button, accepts the input made.
⇧ **yellow** button:	Shift key - the next character is in upper case.
ᴀʟᴛ **blue** button:	Alternative characters, switches to alternative characters.
⬇ :	Caps lock key, the keyboard switches between upper/lower case and numbers/symbols each time it is pressed.
◄ ► :	Moves the blue highlight to the section already entered.

7 Operating the unit

7.1 Switching on

> Switch the digital receiver on by pressing the **On/Stand-by** button either on the receiver panel or on the remote control.

ⓘ If the user-dependent parental control (TechniFamily) is activated, the user selection now appears.

7.2 Selecting the user

If the user-dependent parental control (children's viewing time account) is activated, the user profile selection screen appears after switching on.

> To make a selection, use the **up/down arrow keys** to highlight the user profile you want. To the right next to the profile selection you will now see the current status (e.g. the remaining viewing time for the current day).

> Confirm by pressing the **OK** button.
> If the PIN request for this profile has been deactivated, the TV picture now appears. If it has been activated, the PIN request screen now appears.

> Enter your user PIN using the **numeric keys**.
> If you have entered it correctly, the TV picture now appears.

> If you want to change the user profile during operation, you must first switch the receiver off by pressing the **On/Stand-by** button, then press the button again to switch it back on, calling up the user selection screen again.

7.3 Switching off

> Press the **On/Stand-by** key either on the receiver panel or on the remote control to switch the receiver off again.

> The receiver is now in ready mode (standby). This means that the time is displayed in the receiver's display panel (if activated).
> If the time is not displayed, this still needs to be acquired by the receiver. To do this, switch the receiver on and set it to receive a local TV channel for approx. 30 seconds to automatically acquire the time.

7.4 Channel selection

7.4.1 Using the channel up/down keys

> Use the **up/down arrow buttons** on the receiver to select a channel, or use the **Channel +/-** buttons on the remote control to scroll up or down the channel settings.

7.4.2 Using the numeric pad keys

> Use the **numeric keypad keys** to enter the number of the channel you want.

For example:

1				for channel 1
1, then **4**				for channel 14
2, then **3**,	then **4**			for channel 234
1, then **5**,	then **6**	then **7**		for channel 1567

When entering channel numbers with several digits, you have approx. three seconds after pressing a key to complete the entry.

If you wish to enter a number consisting of only one, two or three digits, you can speed up the entry procedure by keeping the key depressed a little longer on the last digit.

7.4.3 Using the Navigator (channel list)

> Press the **OK** button.
> The channel list navigator is now displayed. In TV mode only TV channels are shown, and in radio mode only radio channels are shown.
> The channel currently selected is highlighted.

> You can view additional data about the current programme by pressing the **INFO** button.

7.4.3.1 Selecting a channel

> You can now use the **arrow keys** to highlight the channel you want.
> Using the **up/down arrow keys** move the cursor to a line and use the **right/left arrow keys** to move up or down a page.

> Press the **OK** button to select the highlighted channel.

7.4.3.2 Selecting a list

To make it easier for you to find channels, your device provides various channel lists. You can select your **Favourites lists**, or display channels in a **Full list** sorted alphabetically, or by **provider**, or by **genre**.

> Press the **OK** button.
> The active channel list is now displayed.

> You can now use the **Option** button to open a window containing the channel list types (**TV list**, **Astra list**, **TV provider lists, TV genre lists** and **TV full list**).

The active channel list type is highlighted.

TV lists

> Use the **up/down arrow buttons** to select e.g. the **TV List 2** channel list type.
> Confirm with **OK.**
> The channels stored in **TV List 2** are now displayed.

Full list

> Use the **up/down arrow keys** to select the **Full list** in the channel list types and confirm with **OK**.
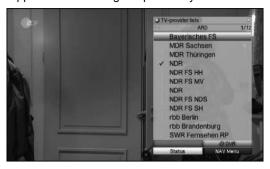> An alphabetically sorted full list containing every channel is displayed.

Provider lists

You can display the channels from specific providers using the provider lists.
> Use the **up/down arrow buttons** to select **TV provider lists** in channel list types.

23

> Confirm with **OK**.
Another window appears for selecting the provider you want.

Genre lists

Using the genre lists you can view channels that have been allocated to a specific genre (channel type).

> Use the **up/down arrow buttons** to select **Genre lists** in the channel list types.

> Confirm with **OK**.
Another window appears for selecting the genre you want.

> Use the **up/down arrow buttons** to select the genre you want (e.g. Music).

> Confirm with **OK**.
Channels that correspond to the genre you selected are now displayed.

> Use the **up/down arrow buttons** to highlight the channel you wish to watch.

> Confirm by pressing **OK**.

7.4.4 Calling up blocked channels

If a programme is selected that is blocked by the parental control function, the message **Device PIN** will be displayed on the screen.

Device PIN	????

> Use the **numeric keys** to enter your PIN code.
  The channel you want will be displayed.

or

> Switch to a channel that is not blocked.
- (i) If global parental control is enabled, the device PIN code will be requested again when the blocked channel is switched on. To make things easier for you, you only need enter the PIN code once during each operating phase.
- (i) When doing so pay careful attention to the information and settings for global and user-dependent parental control (TechniFamily).

7.4.5 Return to last channel selected
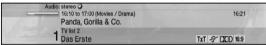
> Press the **Back** button on the remote control to return to the last channel selected.

> Press the button again to return to the channel you were previously watching.

7.4.6 TV/Radio switchover

> You can use the **TV/Radio** button to switch between TV and radio mode.
- (i) The device switches to the last radio station listened to.

7.4.7 Infobox

An Info box appears on the screen for a set period every time you change channels.

Audio: stereo		
16:10 to 17:00 (Movies / Drama)		16:21
Panda, Gorilla & Co.		
TV list 2		
1 Das Erste		TxT 🎵 DꞰD 16:9

This Info box displays the location and name of the selected channel, the title of the current programme and the currently active channel list.

- (i) The progress bars are coloured yellow according to the amount of transmission time already expired for the current programme. If the beginning of the progress bar is coloured red, the transmission started too early; if the end of the progress bar is coloured red, the current programme has post-roll time.

Additional programme properties are also displayed:
For example:
TxT for teletext
16:9 for 16:9 broadcasts
⟶◦ for encrypted channels
DꞰD for Dolby Digital broadcasts
⟑ for subtitles
◻◻ for mono broadcasts

Also, where available from the provider, the EPG genre and the FSK (Voluntary Internal Film Industry Monitoring) age restriction will be shown.

7.5 Receiving encrypted channels

Your receiver is equipped with an integrated CONAX encryption system (smartcard reader) and a Common Interface for accepting a CI / CI+ module. This enables you to receive and view encrypted channels. To do this, you must first either insert a CONAX Smartcard into the integrated card reader, or insert a CI / CI+ module with a valid Smartcard into the slots provided.

> Insert the CONAX smartcard into the card slot in the integrated card reader. (gold-coloured chip facing down, and in the direction of insertion).

or

> Insert a CI / CI+ module into the slot.

> Insert the smartcard into the CI / CI+ module card slot. Ensure that the gold-coloured chip on the smartcard is facing upwards, in the direction in which the card is inserted.

If you now select an encrypted channel, the digital receiver will automatically check the card reader and the CI / CI+ slot and will display the channel in decoded form, assuming a valid smartcard and an appropriate CI / CI+ module with a valid smartcard has been inserted.

7.6 Volume control

You have the option of adjusting the volume on your digital receiver. This facilitates operation of the receiver, as it means you can access all the major functions on a single remote control, and will only rarely have to resort to using the remote control for the TV. When you switch on the digital receiver, sound will be reproduced at the volume level last set.

> You can increase the volume for your digital receiver using the **right arrow key** on the receiver or the **Volume +** button on the remote control, and reduce it using the **left arrow key** on the receiver or the **Volume -** button.

(i) **Please note** that the volume control and mute button also adjust or mute the digital audio outputs (not with the bitstream setting).

7.6.1 Using mute

> To switch the sound off (mute), press the **Sound on/off** button - press the key again to switch the sound back on.

(i) Throughout the time that the volume is switched to mute, the ▨ symbol appears at the upper right of the screen.

7.7 Selecting a different language / sound option

If a programme is broadcast in multiple languages or with multiple sound channels, this is indicated in a message.

Audio: English ⟳

You can then set a different language or another audio channel as follows:

> Press the **Language selection** button.
A list of the languages currently being broadcast is displayed on the screen.

Audio
German
English
French
Italian
Spanish
Portuguese
Russian
Arabic
Turkish
Persian

> Use the **up/down arrow buttons** to highlight the language you want and confirm with **OK**.
You can now hear the programme in the selected language.
It is also possible to receive mono broadcasts with your digital receiver.

> Using the **right/left arrow keys** you can choose between mono channel 1 (⬛️), mono channel 2 (⬛️) and stereo (⬛️) when the sound selection has been called up and the desired language highlighted.

7.8 Transponder information

> Use the **OK** button to call up the Navigator.

> Use the **arrow keys** to highlight the channel for which data you want to display dat .

> By pressing the **yellow** function button (**Status**), the data for the installed transponder is displayed.

7.9 Freeze frame

> Press the **Freeze frame** key; the current TV picture will be displayed as a still picture.

> Press this key again to return to normal operation.

ⓘ The sound will continue to be reproduced normally during freeze frame.

7.10 Teletext
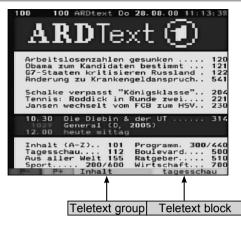
7.10.1 Using your TV's teletext decoder

Where broadcast, teletext is provided via your TV's Scartsocket.

7.10.2 Using the internal teletext decoder

As an alternative, you can use the integrated TOP teletext decoder to display the information. With TOP teletext, all text pages are separated into groups and blocks by subject, making the teletext display clearer.

> Switch on the channel from which you wish to view teletext data.

> Switch the teletext on by pressing the **Teletext** button.

| | Teletext group | Teletext block |

> Use the **numeric keys** to enter the teletext page you want. Your entry will appear in the upper left corner of the screen.
  After you have entered the teletext page you want, your device will search for it. As it is not possible to transfer every teletext page at the same time, it may be a few seconds before your receiver finds the page and displays it on the screen.
  With all teletext operators, the home page is page 100.

> Use the **red** or **green** buttons to move forwards or backwards one page at a time.

> Press the **yellow** function key to call up the teletext group indicated in the yellow field.

> Press the **blue** function key to call up the teletext block indicated in the blue field.

7.10.2.1 Displaying subpages

If teletext subpages are available for a selected teletext page, an indicator showing that subpages have already been downloaded appears on the left next to the teletext. As soon as a new subpage is available, this is automatically displayed.

> Use the **OK** button to show a specific subpage.
  The column on the left side of the screen is enabled. Subpages that have already been acquired are displayed.

> Use the **up/down arrow buttons** to select the subpage you want.

> You can exit the display of specific subpages by pressing **OK**.

7.10.2.2 Stop mode

> Pressing the **Freeze frame** button displays the word **Stop** in the top left corner of the teletext window.
  This prevents teletext subpages from automatically scrolling forwards.

> Press the **Freeze frame** key again to switch the stop mode off again.

7.10.2.3 Mixed viewing mode

> Pressing the **Teletext** button again enables mixed viewing mode. This means that the teletext is superimposed on the TV picture.

7.10.2.4 Exiting teletext

> Press the **Back** key to return to normal operating mode.

7.11 Subtitles

Where subtitles are broadcast, this will be indicated by the 📼 icon.
If you have switched on the **subtitles** function, these will be displayed automatically, provided that they are being broadcast in the language selected.
If subtitles are only being broadcast in other languages or via teletext, you can switch these on manually as follows.

> Press the **Option** button (possibly several times) until a selection table containing the subtitle languages being broadcast appears in the **Subtitles** section.

> Use the **up/down arrow keys** to highlight the language/teletext page you want.

> Confirm with **OK**.
  Subtitles will now be displayed.

ⓘ **Note** that this function is only available when subtitles are actually being broadcast.

7.12 Picture zooming

You can use this function to display 4:3 programmes on a 16:9 TV in their original format and in full screen. The same also applies to 16:9 broadcasts that are not tagged as such when broadcast (no 16:9 icon in the Infobox). However, an important pre-requisite for this zoom function is that the digital receiver is set to 16:9 mode and your TV supports 16:9 signalling via a Scart socket.

> Now press the **Option** button.
  Sound selection now appears on the screen.

> Pressing the **blue** function key **Zoom** repeatedly displays the various zoom factors.

> Press the **Back** button to exit sound selection.

> Repeat this process to switch off the zoom.

The zoom function remains enabled until you switch it off again or switch the receiver to standby mode.

7.13 Electronic Programme Guide (EPG, or SFI for SiehFern Info)

Your digital receiver has an electronic programme guide. This allows you to display channel information relating to one or more channels on your screen.
You can very quickly obtain an overview of the programmes currently being broadcast, the programmes for that day or those for subsequent days.

7.13.1 Calling up the Electronic Programme Guide

> Press the **SFI** button to call up the electronic programme guide.

ⓘ The electronic programme guide appears in the preset start category. The **Overview** start category is selected in the factory settings.

7.13.2 EPG overview

1   Display time > gives the time of the programme to be displayed (Now, Next, More).
Display day > graphic representation of the weekday on the display.

2   Channel name with the corresponding channel within the active favourites list.

3   Progress bars or the start/stop time of the programme being shown.

4   The current date and the time.

5   Shows that there is further information available about the broadcast.

6   Programmes on the channel being shown.

>   By pressing the **up/down arrow keys** you can scroll through line by line and with
the **right/left arrow keys** you can move the cursor sideways.
You now have access to the EPG functions.

   Press the **yellow** function key to go to the **Next** or **More** EPG table.

>   You can exit the electronic programme guide again by pressing the **SFI** button*.*

7.13.3 EPG timer programming

The EPG (electronic programme guide) enables you to programme timer events with great
ease.

ⓘ   **Check** the EPG timer programming for the set timer pre-roll time/post-roll times.

7.13.3.1 DVR timer

>   Press the **Record** button once to programme a **DVR timer** for a highlighted
programme.

>   Press the **Record** button again to delete the timer.

7.13.3.2 Channel-switching timer, VCR timer and alarm

>   Press the **Option** button once to programme a **channel-switching timer** for a
highlighted programme.

>   Press the **Option** button again to change the timer type to an **alarm**.

>   Press the **Option** button again to change the timer type to a **VCR timer**.

7.13.3.3 Timer menu

> Press the **red** function key (**Timer**) to open a selection window.

> Use the **up/down arrow keys** to highlight the **Timer type** option.

> Confirm with **OK**.
For control purposes a mask appears for editing timers containing data for the selected programme. You can make any necessary changes in this.

> Then use the **arrow buttons** to select the **Accept** field and confirm with **OK** to save the timer.
Your receiver is now set to start the selected programme according to the type of timer. If the device is switched on by the DVR timer, this will be indicated by the message "**rEc**" in the display. In standby mode the active timer is indicated by a clock icon next to the time.
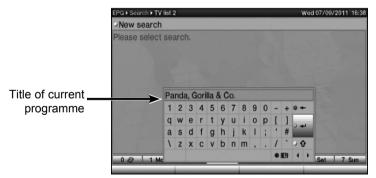
7.13.4 EPG search

If you want to obtain information relating to a specific programme, you can search for it automatically. To do so, you just need to enter the title or part of the title of the programme. The EPG will then scan the data to look for the programme.
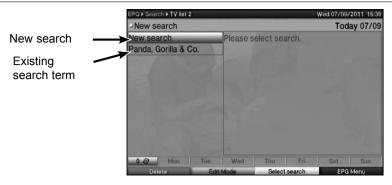
> Open the EPG by pressing the **SFI** button.

> Press the **blue** function key (**EPG menu**) to open a selection window.

> Use the **up/down arrow buttons** to highlight the **Search** item.

> The EPG Search menu is opened by pressing the **OK** button.

If no search term is stored in the search selection, the virtual keyboard is displayed immediately after the menu is called up.

Title of current programme ——→

If one or more search terms are stored, the menu automatically appears with the search selection included. In this case select the **New Search** entry.

> You can now manually enter the full title or part of the title of a programme as a search term.

New search

Existing
search term

> Now press the **green** function key (**Accept**) to search for programmes with exactly this title (the EPG data is searched for programmes with this title and these are displayed where available).

7.14 Timer recordings

You can use the DVR timer to record programmes to an attached recording medium while you are out. Your receiver is equipped with video recorder timers and channel-switching timers. In terms of their programming, these timer types differ only in name. You can programme the timers manually as described in this chapter, or use the EPG function.

1. DVR timer

This function is used to switch your digital receiver on and off for the selected programme, to record it to the storage medium while you are out.
If the receiver is switched on by the DVR timer, this is indicated by "**rEc**" in the display.
Some of the remote control functions (e.g. calling up the main menu) are unavailable.

2. Video recorder timer

If the video recorder timer is selected, your digital receiver will be switched on and off for the selected programme, allowing you to record programmes to an external recording unit while you are out (e.g. a video recorder). If the device is switched on by the video recorder timer, this will be indicated by the message "**rEc**" in the display. Certain remote control functions will be unavailable. Please note that the corresponding recorder must also be programmed.

3. Channel switching timer

If your receiver is in normal operating mode, it will switch to the programmed channel at the set time.
In contrast to using the DVR or video recorder timer option, the device remains fully functional and will not be switched off at the end of the programme.

4. Alarm

If your receiver is in standby mode, it is switched on when the programmed channel is reached at the set time. In contrast to using the DVR or video recorder timer option, the device remains fully functional and will not be switched off at the end of the programme.

7.14.1 Timer settings (pre-roll time/post-roll time)

With EPG timer programming, the receiver receives the data for the selected programme automatically via the EPG data. This means that the start and end times for the programme to be recorded are transferred to the exact minute.

However, it is often the case that the selected programme starts either earlier or later than stated. If so, either the beginning or the end of the programme being recorded is missing. To avoid this problem, you can enter a timer pre-roll time/post-roll in one minute increments. The timer will now start earlier and finish later than in the EPG data by the pre-roll time/post-roll times entered.

> To access the timer overview, first call up the **Main menu** by pressing the **Menu** key.

> Use the **up/down arrow keys** to highlight the **Timer Organiser** item and confirm with **OK**.

> Use the **up/down arrow keys** to highlight the **Timer Settings** item and confirm by pressing **OK** again.
  The **Timer Settings** submenu appears.

7.15 Selecting a function

> Press the **blue** function key to open the navigation menu (**NAV Menu**).

> Use the **up/down arrow buttons** to highlight the function you want to access.

TV	TV mode: playing TV programmes.
Radio	Radio mode: playing radio programmes.
Film/DVR	Film/DVR Navigator: access MPEG2 titles, VOB, TS or TS4 files stored on a device connected to the USB port.
Music	Music navigator: access MP3 titles stored on a connected USB device or a shared network drive.
Pictures	Pictures navigator: access JPG files stored on a connected USB device or a shared network drive.

> Confirm with **OK** to select the highlighted function.

8 Operating the DVR

Your receiver has a DVR function (DVR = Digital Video Recorder) and a slot for USB devices. You can use this as a recording medium.

A USB device must be inserted as a recording medium in order to record.
The recording capacity thus depends on the size of the recording medium and the volume of data in the programme.

When recording, the teletext data and subtitles (where broadcast) are also recorded as well as the actual audio and video data.

8.1 Organising recording media
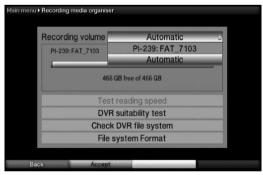
To be able to make recordings on one of the media mentioned above, this must be formatted for either FAT32 or the TechniSat file system.

> First press the **Menu** button to access the **Main menu**.

> Use the **up/down arrow keys** to highlight the **Recording Media Organiser** option and press **OK**.
> The **Recording media organiser** menu is displayed and the **Automatic** option is highlighted.

> Now press the **OK** button to open a window with the inserted media.

> Use the **up/down arrow keys** to select the medium that needs to be formatted and press the **OK** button.

Defining the recording medium

In the Recording Media Organiser menu you can define which medium that has been formatted in the DVR file system format should be used as the recording medium. In doing so you have a choice between selecting the medium manually or automatically.
By selecting **Automatic**, the medium that was the **first** to be inserted is used as the recording medium.

> Use the **up/down arrow buttons** to highlight the **recording medium** option.
> By pressing the **OK** a window is displayed showing the media available.
> Use the **up/down arrow keys** to either select the medium that should be permanently used as the recording medium or to highlight the Automatic entry.
> Press **OK** to accept the selection.

8.2 DVR recording

ⓘ Before starting a DVR recording, please define which storage medium should be used as a recording medium.

The following recording modes are available for DVR recording:

1. Instant recording
Select this type of recording to immediately record the programme currently being broadcast at the push of a button.

2. Timer-controlled recording
This function is used to switch your digital receiver on and off to record the selected programme onto the recording medium while you are out. The timer can be either manually programmed or automatically programmed via the EPG function.

3. Timeshift recording
Timeshift recording enables time-shifted TV viewing. You can start to play back a programme while it is still recording (= time-shifting).

8.2.1 Instant recording

> Switch to the channel on which the programme you want to record is being broadcast.
> Press the **Record** button to record the current programme.
> Press the **Pause / playback** button to play back the current programme from a particular point.
> To continue playing back the programme from this point, press the **Play / Pause** button again.

ⓘ You are now watching the programme with a time delay to the live broadcast (**Timeshift**), while the programme continues to be recorded in the background.
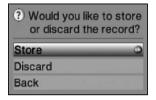
8.2.2 Timeshift recording

> If you are watching a programme and are interrupted by e.g. a telephone call, you can press the **Play / Pause** button to pause the programme and start recording it at the same time.
> To continue playing back the programme from this point, press the **Play / Pause** button again.

8.2.3 Ending manual recording

> To finish recording, first press the **Stop** button.

The following request appears.

> ? Would you like to store
>   or discard the record?
> **Store**
> Discard
> Back

> Use the **up/down arrow keys** to select **Store** (to save the recording to the storage medium) or **Discard** (to not save the recording) and confirm with **OK**.

8.2.4 Ending recording automatically

Option 1

> Press the **On/Standby** button.
> A request is now displayed asking what should happen to the recording in progress.

> ? This record has no end time. Would
>   you like to finish the recording, to
>   record the complete current event or
>   to determine a own recording end time.
> **Finish recording**
> + Panda, Gorilla & Co. (to 17:00)
> + 1/2 hour (to 17:19)
> + 1 hour (to 17:49)
> + 1 1/2 hour (to 18:19)
> + 2 hours (to 18:49)
> + 3 hours (to 19:49)
> Back

> Use the **up/down arrow keys** to highlight the item with the action you want.

> Confirm by pressing **OK**.

The receiver will record the channel until the specified time and then switch to standby.

> If the receiver is switched on before the end of the recording, a request appears asking whether you want to start watching the recording in progress, continue watching it live or finish recording.

> Use the **up/down arrow keys** to highlight the option you want and confirm with **OK**.
> By selecting **Start watching recording from beginning** the recording continues in Timeshift mode.

Option 2

> Press the **Record** button; the following window appears.

> Use the **up/down arrow keys** to highlight the line with the action you want (e.g.
  +1 hour) and confirm with **OK**.
  The receiver will now record the programme(s) on the channel you have selected for
  the set period of time and then stop recording automatically.

8.3 Timer recordings

You can use the DVR timer to record programmes to an attached recording medium while
you are out. You can programme the timers manually or use the EPG function.

8.4 DVR playback

You can access DVR recordings via the DVR Navigator.

8.4.1 Calling up the DVR Navigator / Starting DVR playback

You can access DVR recordings via the DVR Navigator. There are various ways to call this up.
Depending on whether you are in TV or radio mode, a list appears with all the TV or radio
recordings available on the storage medium.
After calling up the Navigator, playback of the highlighted recording starts straight away.

ℹ️ The programme information can be displayed and hidden by repeatedly pressing the
  Info button.

> You can start to play back a recording by highlighting it and confirming with **OK**.

8.4.1.1 When in TV mode

> Press **OK** to open the programme list navigator.

> Press the **green** function key to switch to **DVR** in the DVR Navigator.

or

> Just press the **green** function key to open the DVR Navigator.

8.4.1.2 From playback of a running / existing DVR recording

> While a recording is in progress, press the **OK** button first to open the DVR Navigator.

or

> In the **function selection** select the **Films / DVR** item.

> Now call up the **My Recordings** folder on your attached recording medium.

8.4.2 Pause / Freeze frame

> To pause playback of a recording (freeze frame), press the **Pause / Play** button during playback.

> Press the **Pause / Play** button again to resume playback from the same location.

8.4.3 Fast forward/rewind

Your DVR has **fast forward** and **rewind** functions so you can get to a specific place in a recording.

> Press the **Fast forward** or **Rewind** button during playback.
> The message **Fast forward ▶▶** or **Rewind ◀◀** appears.

> The recording will now play in the specified direction at 4x speed.

> If you press the **Fast forward** or **Rewind** button again, the speed will increase to 16x.
> The message **Fast forward ▶▶▶** or **Rewind◀◀◀** appears.

> If you press the **Fast forward** or **Rewind** button again, the speed will increase to 64x.
> The message **Fast forward ▶▶▶▶** or **Rewind ◀◀◀◀** appears.

> By pressing the **Fast forward** or **Rewind** button again you can jump forwards or backwards in 10-minute increments.

> When you get to the place you want in the recording, you can return to normal playing mode by pressing the **Play / Pause** button.

8.4.4 Jog shuttle function

To quickly and accurately navigate to a position in the recording, your receiver also has a 'jog shuttle' function. This is used as follows:

> During playback press the **Jog shuttle** button (freeze frame) to access jog shuttle mode.

> By pressing the **right/left arrow keys** (repeatedly if necessary) you can change the speed and direction of the playback.

> Press the **right arrow key** once to play the recording in slow motion. The icone I▶ is displayed.

> Pressing the **up arrow key** or the **down arrow key** causes the next frame **forwards** or **backwards** to be shown.
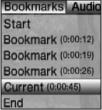
8.4.5 Setting bookmarks

> As described above, skip to a location in the recording where you want to add a bookmark.

> Press the **Record** button to place a bookmark in the current location. In this way you can set bookmarks in as many places as you want in a recording. Bookmarks can also be set during playback and in the **Music/images/films organiser** menu.

8.4.6 Jump to bookmarks

During playback you have the option of navigating directly to locations in the recording where you have set bookmarks.

> Press the **Option** button to open a window displaying the available bookmarks.

The **Current** bookmark is also displayed. This indicates the current playback position in the recording.

> When you use the **up/down arrow keys** to highlight a bookmark, playback starts at this point.

> Press the **OK** button to close the window and return to normal playback mode.

8.4.7 Ending playback

> Press the **Stop** button to end playback.
  Playback will end and your receiver will return to normal mode. In doing so the receiver "remembers" the place in the recording where playback ended. If you start playing this recording again, it will automatically resume at the point where you previously left off.

9 Troubleshooting guide

Fault	Possible cause	Solution
Remote control does not work.	Wrong remote control code used.	Apply correct remote control code.
	Batteries are spent.	Replace batteries.
Various channels not shown in channel list.	Wrong channel list selected.	Select another channel list.
Programmes such as DSF and Tele 5 have interference at certain times.	Interference from cordless DECT telephones.	Increase distance between base station and receiver.
Sound OK, no TV picture.	Radio mode called up and radio background image is switched off.	Check setting.
	Scart plug not connected correctly.	Connect Scart plug properly.
Picture not fully visible or distorted.	Picture format not correctly set.	Check picture format.
	Wrong picture display / zoom selected.	Check picture display / zoom in menu.
		Check zoom setting.
No picture, no sound, display not on.	No power.	Check power supply and plug.
No picture via HDMI.	HDMI resolution used is not supported by TV.	Modify HDMI resolution for the correct device or connect via Scart lead.
No sound via HDMI, picture OK.	Wrong HDMI sound format selected.	Check HDMI sound format.
No sound or wrong audio playing.	Dolby Digital active or wrong audio language selected.	Check setting in menu.
		Check Dolby Digital / language selection.

Fault	Possible cause	Solution
Cannot receive channels that were previously being received.	Antenna defective or not correctly adjusted.	Check antenna.
	Channel transferred to a different transponder.	Perform a search/scan.
	Channel no longer being broadcast.	None.
Intermittent appearance of square blocks in the picture. Switches to freeze frame intermittently, no sound. Screen black at certain times with the message "no signal".	Heavy rain or snow.	Remove snow from dish antenna.
	Antenna incorrectly adjusted.	Adjust antenna.
	Dish too small for your location.	Use larger antenna.
	Obstacle between dish and satellite (e.g. a tree).	Mount dish with clear line of sight.
No picture, no sound, display on.	Short circuit in LNB connection.	Switch off receiver, resolve short circuit, switch receiver back on.
	Faulty or missing cable connection.	Check all cable connections (see section 4).
	Defective LNB.	Replace LNB.
	Incorrect external unit installed at receiver.	Modify setting.
	Antenna incorrectly adjusted.	Adjust antenna.
Antenna cannot be rotated.	Motor not compatible with DiSEqC 1.2.	Use a suitable motor.
Time not displayed while in standby mode.	Time not acquired.	Play a local TV channel for approx. 30 sec.
	Standby clock switched off.	Switch on standby clock.

Error	Possible cause	Solution
Receiver cannot be operated, switched on or switched off.	Defective data stream --> receiver blocked.	Hold down the On/Stand-by button on the receiver or on the remote control for approx. 5 seconds.
		Disconnect mains plug for approx. 5 seconds, then reconnect receiver.
		Perform Flash Reset: **Warning!** All personal settings will be lost. > Remove DC plug from receiver. > Press and hold the Standby and up arrow key at the same time. > Reinsert DC plug in the DC socket while holding down the Standby and up arrow buttons. > Keep both buttons pressed down for approx. 5 sec. then release. "SEt" appears in the display.
USB device not recognised.	USB device formatted for wrong file system.	Format USB device for FAT32 file format.

TechniSat Warranty

3 Years

How to get your three-year warranty
Step by step

1. Register your products within four weeks of purchase - either by sending in your completed registration card (see reverse) or online at www.technisat.com.

2. If, contrary to expectations, your equipment should develop a problem, in the first instance please contact your dealer or our technical hotline on +49 (0) 3925 9220 1806 (normal charges will apply for overseas calls).

3. If the problem cannot be resolved by calling our hotline, please complete the Service Report in full (see reverse) and briefly describe the fault with your device.

4. Send the faulty equipment to your dealer, in the original packaging, along with a proof of purchase (copy of invoice or till receipt) and all accessories.

Once the fault has been repaired, the Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.

Special note for TV customers:
5-year warranty after product registration of TechniSat digital televisions (3-year warranty + 2-year warranty on parts except for the screen, remote control, and housing parts)

TechniSat
Permanent added value and breathtaking technology
www.technisat.com

TechniSat
Guarantee certificate

3 Years

Warranty

Dear Customer,

You have purchased a high quality TechniSat product that has been put through multiple quality tests and a stringent goods outwards check at every stage. Should you still encounter a problem with your equipment, contrary to expectations, you can always take advantage of a two-year legal warranty claim. This warranty claim can of course be exercised at any time without having registered the product. However, from the seventh month after the date of purchase, under legal provision, the obligation is on you to prove that the problem with the equipment already existed at the time of purchase. But TechniSat is offering you another solution. By submitting a fully completed and signed TechniSat registration card, your two-year legal warranty claim is converted into a three-year warranty. This releases you from your legal obligation to prove that the item was faulty, for a period of three years from the purchase of your equipment (based on the billing date). In the event of a claim under warranty, you will receive - at TechniSat's discretion - a free repair of your equipment or an as-new equivalent replacement device. To be sure of enjoying your warranty in full, make absolutely sure that only original TechniSat accessories (such as cables, plugs etc) are used during installation.

Invalidation of the warranty claim

All warranty claims are invalidated if the equipment interior is accessed by anyone other than TechniSat or if the equipment is modified (e.g. by hardware or software modifications). Service under warranty shall also not apply in the event of damage caused by incorrect installation or improper use, or in the event that manufacturer's numbers have been changed or rendered illegible, or mechanical damage has been caused by accident or impact. The guarantee does not cover compensation or expenses, specifically not loss of data, e.g. channel lists that have been set up or recordings on hard disks.

What to do in the event of damage

If you encounter a problem with your TechniSat equipment, despite the ultra-modern manufacturing and constant quality checking, we would ask you to first contact your dealer or our technical hotline on +49 (0) 3925 9220 1806 (normal charges will apply for overseas calls). If we cannot solve the problem in this manner, we would ask you to contact your dealer or supplier.

Please make sure you complete and send off the registration card!
Or you can conveniently register online at **www.technisat.com**

Note on
making a claim under warranty

The warranty can only be invoked if:

1. the fully completed registration card has been received by us no later than 4 weeks after purchase, or you have registered the product online during this period.

2. you have first attempted to resolve the issue by contacting your dealer or our technical hotline on +49 (0) 3925 9220 1806 (normal charges will apply for overseas calls).

3. you have filled out the Service Report in full, including a precise description of the problem.

4. the defective equipment is returned to the vendor, including any accessories (e.g. network cables, remote control etc), but not smartcards and CI modules (that are not included with delivery), in the original packaging, along with a proof of purchase (copy of invoice or till receipt) and the completed Service Report. The Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.

How to register your product

1) Registration by post:
cut out the completed TechniSat registration card along the dotted line, place in an envelope with the appropriate postage affixed and send to the following address (see right):

2) Online registration:
Just complete the guarantee form you will find online at the TechniSat website **(www.technisat.com)** and your product will be registered with TechniSat.

TechniSat Teledigital GmbH
- TechniSat Warranty -
Nordstrasse 4a
D-39418 Stassfurt
Germany

Service Report in the event of a claim under warranty

If, contrary to expectations, you encounter a problem with your equipment, despite the ultra-modern manufacturing and constant quality checking, we would ask you to first contact our technical hotline on +49 (0) 3925 9220 1806 (normal charges will apply for overseas calls). If we cannot solve the problem in this manner, we would ask you to contact your dealer or supplier. If you do so, please complete the following Service Report beforehand.

Service Report

Serial No.: |___|___|___|___|___|___|___|___|___|___|___|___|___|

Item number: |___|___|___|___|___|___|___|___|___|___|___|___|___|

Note
The serial and item numbers are located on the back of the box or directly on the equipment.

Description of fault

Please briefly explain the problem with your equipment

|_____|

|_____|

|_____|

|_____|

|_____|

|_____|

Surname: |_____|

First name: |_____|

Street: |_____|

Post code: |___|___|___|___|___| City/town: |_____|

Telephone: optional |_____|

Please note that a repair under warranty can only be carried out quickly and smoothly if this Service Report is completed in full, and submitted with a proof of purchase (delivery note, invoice, till receipt etc), the defective equipment in the original packaging, including all accessories (e.g. network cable, remote control) and a precise description of the problem. The Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.

✂ **(please cut here)**

TechniSat registration card
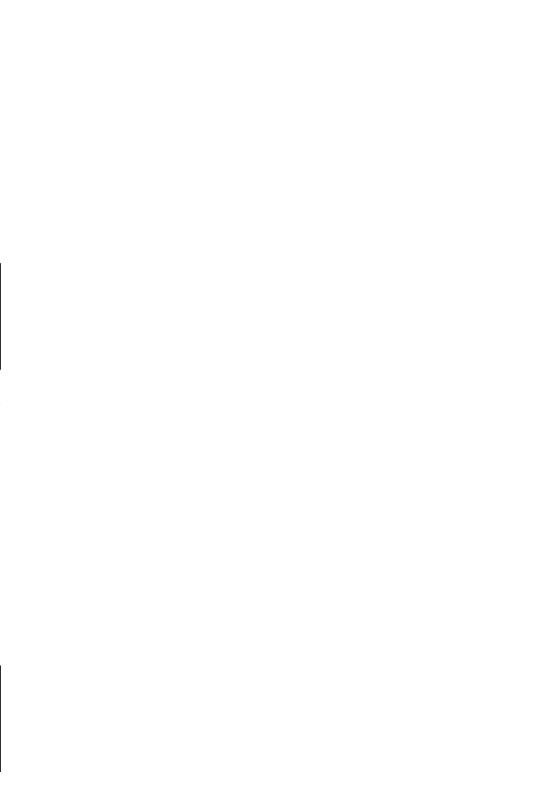
3-year warranty

By submitting a fully completed and signed TechniSat registration card, your two-year legal warranty claim is converted into a three-year warranty. Hence you are released from your legal obligation to prove that the item was faulty, for a period of three years from the purchase of your equipment (based on the billing date). In the event of a claim under warranty, you will receive - at TechniSat's discretion - a free repair to your equipment or an as-new equivalent replacement device.

Surname: |_____|

First name: |_____|

Street: |_____|

Post code: |___|___|___|___|___| City/town: |_____|

Telephone: optional *(for any questions)* |_____|

Email: optional |_____|

Date of purchase: |_____|

Serial No.: |_____|

TechniSat Dealer No.: |_____|
to be completed by the dealer, where registration is carried out in the dealership

This field must be completed so that service under warranty can be provided!

Purchased at: |_____|

Important: Tick to register

☐ **Yes, I want to convert my two-year legal warranty claim into a three-year warranty claim and thereby consent to the use of my address by TechniSat for the purposes of sending information via post.**

☐ Yes, I want to receive communications via email as well (optional).

Date, Signature

_____

Note
By signing here you declare your consent for TechniSat Digital GmbH to use your address for its own communications by post or email and give permission to contact you. Your data will not be forwarded to third parties. You can rescind your consent at any time by writing to TechniSat Digital GmbH, TechniPark, D-54550 Daun/ Vulkaneifel, Germany (for the attention of the Data Protection Officer) or by emailing data_protection@technisat.de. **The two-year legal warranty claim can only be converted into a three-year warranty claim by checking the first consent box and signing this registration card.**

3 Year Warranty